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Term	Documents
S.DWPI,TDBD,EPAB,JPAB,USPT.	5344167
CETYLPYRIDINIUM.DWPI,TDBD,EPAB,JPAB,USPT.	2469
CHLORIDE.DWPI,TDBD,EPAB,JPAB,USPT.	652716
CETYL.DWPI,TDBD,EPAB,JPAB,USPT.	26785
PYRIDINIUM.DWPI,TDBD,EPAB,JPAB,USPT.	24424
CATIONIC.DWPI,TDBD,EPAB,JPAB,USPT.	118515
SURFACTANT.DWPI,TDBD,EPAB,JPAB,USPT.	192167
SURFACE.DWPI,TDBD,EPAB,JPAB,USPT.	5371763
ACTIVE.DWPI,TDBD,EPAB,JPAB,USPT.	1099127
((S ADJ 1) AND (((CETYLPYRIDINIUM ADJ CHLORIDE) OR (CETYL ADJ PYRIDINIUM ADJ CHLORIDE)) OR (CATIONIC ADJ SURFACTANT)) OR (CATIONIC ADJ SURFACE ADJ ACTIVE))).USPT,JPAB,EPAB,DWPI,TDBD.	0
(S L1 AND (CETYLPYRIDINIUM CHLORIDE OR CETYL PYRIDINIUM CHLORIDE OR CATIONIC SURFACTANT OR CATIONIC SURFACE ACTIVE))).USPT,JPAB,EPAB,DWPI,TDBD.	0

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EPO Abstracts Database	
Derwent World Patents Index	
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Search:

L3

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Set Name Query

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result set

DB=USPT,JPAB,EPAB,DWPI,TDBD; PLUR=NO; OP=ADJ

<u>L3</u>	s l1 and (cetylpyridinium chloride or cetyl pyridinium chloride or cationic surfactant or cationic surface active)	0	<u>L3</u>
<u>L2</u>	s l1 and (oil-soluble or oil soluble or water-insoluble or water insoluble)	0	<u>L2</u>
<u>L1</u>	(glycyrrhiza or glycyrrhiza glabra or licorice or glabrin? or licocalcone? or glycyrrhizic acid or glycyrrhethinic acid or glabrene? or licochalcone a or licochalcone b or licocoumarone?)	4493	<u>L1</u>

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Term	Documents
(17 AND 19).USPT,JPAB,EPAB,DWPI,TDBD.	15
(L19 AND L17).USPT,JPAB,EPAB,DWPI,TDBD.	15

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Search:

L20

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Set Name Query
side by side**Hit Count Set Name**
result set*DB=USPT,JPAB,EPAB,DWPI,TDBD; PLUR=NO; OP=ADJ*

<u>L20</u>	119 and 117	15	<u>L20</u>
<u>L19</u>	118 and 115	97	<u>L19</u>
<u>L18</u>	114 and zinc chloride	211	<u>L18</u>
<u>L17</u>	116 and zinc.clm. and (cetylpyridinium.clm. or cetyl pyridinium.clm.)	28	<u>L17</u>
<u>L16</u>	115 and (zinc.clm. or cetylpyridinium.clm. or cetyl pyridinium.clm. or plaque.clm.)	210	<u>L16</u>
<u>L15</u>	114 and (plaque or mouthwash or mouthrinse or dentifrice or toothpaste)	437	<u>L15</u>
<u>L14</u>	zinc and (cetylpyridinium or cetyl pyridinium)	1558	<u>L14</u>
<u>L13</u>	111 and (plaque or mouthwash or mouthrinse or toothpaste or dentifrice)	5	<u>L13</u>
<u>L12</u>	111 and 11	2	<u>L12</u>
<u>L11</u>	inulin and (cetylpyridinium or cetyl pyridinium)	55	<u>L11</u>
<u>L10</u>	18 and (cetylpyridinium or cetyl pyridinium or cationic surfactant? or cationic surface-active or cationic surface active)	6	<u>L10</u>
<u>L9</u>	18 and 16	0	<u>L9</u>
<u>L8</u>	17 and 11	83	<u>L8</u>
<u>L7</u>	(inulin or oligosaccharide?)	10934	<u>L7</u>
<u>L6</u>	15 and (cetylpyridinium chloride or cetyl pyridinium chloride or cationic surfactant? or cationic surface-active or cationic surface active)	51	<u>L6</u>
<u>L5</u>	14 and 11	585	<u>L5</u>
<u>L4</u>	(oil-soluble or oil soluble or water-insoluble or water insoluble)	90683	<u>L4</u>
<u>L3</u>	s 11 and (cetylpyridinium chloride or cetyl pyridinium chloride or cationic surfactant or cationic surface active)	0	<u>L3</u>
<u>L2</u>	s 11 and (oil-soluble or oil soluble or water-insoluble or water insoluble)	0	<u>L2</u>
<u>L1</u>	(glycyrrhiza or glycyrrhiza glabra or licorice or glabrin? or licocalcone? or glycyrrhizic acid or glycyrrhetic acid or glabrene? or licochalcone a or licochalcone b or licocoumarone?)	4493	<u>L1</u>

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Term	Documents
(17 AND 19).USPT,JPAB,EPAB,DWPI,TDBD.	15
(L19 AND L17).USPT,JPAB,EPAB,DWPI,TDBD.	15

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Term	Documents
INULIN.DWPI,TDBD,EPAB,JPAB,USPT.	2385
CETYLPYRIDINIUM.DWPI,TDBD,EPAB,JPAB,USPT.	2469
CETYL.DWPI,TDBD,EPAB,JPAB,USPT.	26785
PYRIDINIUM.DWPI,TDBD,EPAB,JPAB,USPT.	24424
(INULIN AND (CETYLPYRIDINIUM OR (CETYL ADJ PYRIDINIUM))).USPT,JPAB,EPAB,DWPI,TDBD.	55
(INULIN AND (CETYLPYRIDINIUM OR CETYL PYRIDINIUM)).USPT,JPAB,EPAB,DWPI,TDBD.	55

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L11

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result set

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<u>L11</u>	inulin and (cetylpyridinium or cetyl pyridinium)	55	<u>L11</u>
<u>L10</u>	18 and (cetylpyridinium or cetyl pyridinium or cationic surfactant? or cationic surface-active or cationic surface active)	6	<u>L10</u>
<u>L9</u>	18 and 16	0	<u>L9</u>
<u>L8</u>	17 and 11	83	<u>L8</u>
<u>L7</u>	(inulin or oligosaccharide?)	10934	<u>L7</u>
<u>L6</u>	15 and (cetylpyridinium chloride or cetyl pyridinium chloride or cationic surfactant? or cationic surface-active or cationic surface active)	51	<u>L6</u>
<u>L5</u>	14 and 11	585	<u>L5</u>
<u>L4</u>	(oil-soluble or oil soluble or water-insoluble or water insoluble)	90683	<u>L4</u>
<u>L3</u>	s 11 and (cetylpyridinium chloride or cetyl pyridinium chloride or cationic surfactant or cationic surface active)	0	<u>L3</u>
<u>L2</u>	s 11 and (oil-soluble or oil soluble or water-insoluble or water insoluble)	0	<u>L2</u>
<u>L1</u>	(glycyrrhiza or glycyrrhiza glabra or licorice or glabrin? or licocalcone? or glycyrrhizic acid or glycyrrhetinic acid or glabrene? or licochalcone a or licochalcone b or licocoumarone?)	4493	<u>L1</u>

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Term	Documents
(11 AND 1).USPT,JPAB,EPAB,DWPI,TDBD.	2
(L11 AND L1).USPT,JPAB,EPAB,DWPI,TDBD.	2

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L12

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result set

DB=USPT,JPAB,EPAB,DWPI,TDBD; PLUR=NO; OP=ADJ

<u>L12</u>	l11 and l1	2	<u>L12</u>
<u>L11</u>	inulin and (cetylpyridinium or cetyl pyridinium)	55	<u>L11</u>
<u>L10</u>	l8 and (cetylpyridinium or cetyl pyridinium or cationic surfactant? or cationic surface-active or cationic surface active)	6	<u>L10</u>
<u>L9</u>	l8 and l6	0	<u>L9</u>
<u>L8</u>	l7 and l1	83	<u>L8</u>
<u>L7</u>	(inulin or oligosaccharide?)	10934	<u>L7</u>
<u>L6</u>	l5 and (cetylpyridinium chloride or cetyl pyridinium chloride or cationic surfactant? or cationic surface-active or cationic surface active)	51	<u>L6</u>
<u>L5</u>	l4 and l1	585	<u>L5</u>
<u>L4</u>	(oil-soluble or oil soluble or water-insoluble or water insoluble)	90683	<u>L4</u>
<u>L3</u>	s l1 and (cetylpyridinium chloride or cetyl pyridinium chloride or cationic surfactant or cationic surface active)	0	<u>L3</u>
<u>L2</u>	s l1 and (oil-soluble or oil soluble or water-insoluble or water insoluble)	0	<u>L2</u>
<u>L1</u>	(glycyrrhiza or glycyrrhiza glabra or licorice or glabrin? or licocalcone? or glycyrrhizic acid or glycyrrhethinic acid or glabrene? or licochalcone a or licochalcone b or licocoumarone?)	4493	<u>L1</u>

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Term	Documents
PLAQUE.DWPI,TDBD,EPAB,JPAB,USPT.	28494
MOUTHWASH.DWPI,TDBD,EPAB,JPAB,USPT.	3855
MOUTHRINSE.DWPI,TDBD,EPAB,JPAB,USPT.	392
TOOTHPASTE.DWPI,TDBD,EPAB,JPAB,USPT.	10211
DENTIFRICE.DWPI,TDBD,EPAB,JPAB,USPT.	5421
(11 AND (MOUTHRINSE OR MOUTHWASH OR DENTIFRICE OR TOOTHPASTE OR PLAQUE)).USPT,JPAB,EPAB,DWPI,TDBD.	5
(L11 AND (PLAQUE OR MOUTHWASH OR MOUTHRINSE OR TOOTHPASTE OR DENTIFRICE)).USPT,JPAB,EPAB,DWPI,TDBD.	5

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<u>L13</u>	l11 and (plaque or mouthwash or mouthrinse or toothpaste or dentifrice)	5	<u>L13</u>
<u>L12</u>	l11 and l1	2	<u>L12</u>
<u>L11</u>	inulin and (cetylpyridinium or cetyl pyridinium)	55	<u>L11</u>
<u>L10</u>	l8 and (cetylpyridinium or cetyl pyridinium or cationic surfactant? or cationic surface-active or cationic surface active)	6	<u>L10</u>
<u>L9</u>	l8 and l6	0	<u>L9</u>
<u>L8</u>	l7 and l1	83	<u>L8</u>
<u>L7</u>	(inulin or oligosaccharide?)	10934	<u>L7</u>
<u>L6</u>	l5 and (cetylpyridinium chloride or cetyl pyridinium chloride or cationic surfactant? or cationic surface-active or cationic surface active)	51	<u>L6</u>
<u>L5</u>	l4 and l1	585	<u>L5</u>
<u>L4</u>	(oil-soluble or oil soluble or water-insoluble or water insoluble)	90683	<u>L4</u>
<u>L3</u>	s l1 and (cetylpyridinium chloride or cetyl pyridinium chloride or cationic surfactant or cationic surface active)	0	<u>L3</u>
<u>L2</u>	s l1 and (oil-soluble or oil soluble or water-insoluble or water insoluble)	0	<u>L2</u>
<u>L1</u>	(glycyrrhiza or glycyrrhiza glabra or licorice or glabrin? or licocalcone? or glycyrrhizic acid or glycyrrhetinic acid or glabrene? or licochalcone a or licochalcone b or licocoumarone?)	4493	<u>L1</u>

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Term	Documents
(8 AND 6).USPT,JPAB,EPAB,DWPI,TDBD..	0
(L8 AND L6).USPT,JPAB,EPAB,DWPI,TDBD.	0

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result set

DB=USPT,JPAB,EPAB,DWPI,TDBD; PLUR=NO; OP=ADJ

<u>L9</u>	18 and 16	0	<u>L9</u>
<u>L8</u>	17 and 11	83	<u>L8</u>
<u>L7</u>	(inulin or oligosaccharide?)	10934	<u>L7</u>
<u>L6</u>	15 and (cetylpyridinium chloride or cetyl pyridinium chloride or cationic surfactant? or cationic surface-active or cationic surface active)	51	<u>L6</u>
<u>L5</u>	14 and 11	585	<u>L5</u>
<u>L4</u>	(oil-soluble or oil soluble or water-insoluble or water insoluble)	90683	<u>L4</u>
<u>L3</u>	s 11 and (cetylpyridinium chloride or cetyl pyridinium chloride or cationic surfactant or cationic surface active)	0	<u>L3</u>
<u>L2</u>	s 11 and (oil-soluble or oil soluble or water-insoluble or water insoluble)	0	<u>L2</u>
<u>L1</u>	(glycyrrhiza or glycyrrhiza glabra or licorice or glabrin? or licocalcone? or glycyrrhizic acid or glycyrrhetinic acid or glabrene? or licochalcone a or licochalcone b or licocoumarone?)	4493	<u>L1</u>

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Term	Documents
(8 AND 6).USPT,JPAB,EPAB,DWPI,TDBD.	0
(L8 AND L6).USPT,JPAB,EPAB,DWPI,TDBD.	0

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<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
	<i>DB=USPT,JPAB,EPAB,DWPI,TDBD; PLUR=NO; OP=ADJ</i>		
<u>L9</u>	18 and 16	0	<u>L9</u>
<u>L8</u>	17 and 11	83	<u>L8</u>
<u>L7</u>	(inulin or oligosaccharide?)	10934	<u>L7</u>
<u>L6</u>	15 and (cetylpyridinium chloride or cetyl pyridinium chloride or cationic surfactant? or cationic surface-active or cationic surface active)	51	<u>L6</u>
<u>L5</u>	14 and 11	585	<u>L5</u>
<u>L4</u>	(oil-soluble or oil soluble or water-insoluble or water insoluble)	90683	<u>L4</u>
<u>L3</u>	s 11 and (cetylpyridinium chloride or cetyl pyridinium chloride or cationic surfactant or cationic surface active)	0	<u>L3</u>
<u>L2</u>	s 11 and (oil-soluble or oil soluble or water-insoluble or water insoluble)	0	<u>L2</u>
<u>L1</u>	(glycyrrhiza or glycyrrhiza glabra or licorice or glabrin? or licocalcone? or glycyrrhizic acid or glycyrrhetinic acid or glabrene? or licochalcone a or licochalcone b or licocoumarone?)	4493	<u>L1</u>

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CETYL.DWPI,TDBD,EPAB,JPAB,USPT.	26785
PYRIDINIUM.DWPI,TDBD,EPAB,JPAB,USPT.	24424
CATIONIC.DWPI,TDBD,EPAB,JPAB,USPT.	118515
SURFACE-ACTIVE.DWPI,TDBD,EPAB,JPAB,USPT.	26014
SURFACE.DWPI,TDBD,EPAB,JPAB,USPT.	5371763
ACTIVE.DWPI,TDBD,EPAB,JPAB,USPT.	1099127
SURFACTANT?	0
SURFACTANTA.DWPI,TDBD,EPAB,JPAB,USPT.	9
SURFACTANTE.DWPI,TDBD,EPAB,JPAB,USPT.	3
SURFACTANTG.DWPI,TDBD,EPAB,JPAB,USPT.	2
(L8 AND (CETYLPYRIDINIUM OR CETYL PYRIDINIUM OR CATIONIC SURFACTANT? OR CATIONIC SURFACE-ACTIVE OR CATIONIC SURFACE ACTIVE))).USPT,JPAB,EPAB,DWPI,TDBD.	6

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<u>L10</u>	18 and (cetylpyridinium or cetyl pyridinium or cationic surfactant? or cationic surface-active or cationic surface active)	6	<u>L10</u>
<u>L9</u>	18 and 16	0	<u>L9</u>
<u>L8</u>	17 and 11	83	<u>L8</u>
<u>L7</u>	(inulin or oligosaccharide?)	10934	<u>L7</u>
<u>L6</u>	15 and (cetylpyridinium chloride or cetyl pyridinium chloride or cationic surfactant? or cationic surface-active or cationic surface active)	51	<u>L6</u>
<u>L5</u>	14 and 11	585	<u>L5</u>
<u>L4</u>	(oil-soluble or oil soluble or water-insoluble or water insoluble)	90683	<u>L4</u>
<u>L3</u>	s 11 and (cetylpyridinium chloride or cetyl pyridinium chloride or cationic surfactant or cationic surface active)	0	<u>L3</u>
<u>L2</u>	s 11 and (oil-soluble or oil soluble or water-insoluble or water insoluble)	0	<u>L2</u>
<u>L1</u>	(glycyrrhiza or glycyrrhiza glabra or licorice or glabrin? or licocalcone? or glycyrrhizic acid or glycyrrhetinic acid or glabrene? or licochalcone a or licochalcone b or licocoumarone?)	4493	<u>L1</u>

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Term	Documents
CETYL PYRIDINIUM.DWPI,TDBD,EPAB,JPAB,USPT.	2469
CHLORIDE.DWPI,TDBD,EPAB,JPAB,USPT.	652716
CETYL.DWPI,TDBD,EPAB,JPAB,USPT.	26785
PYRIDINIUM.DWPI,TDBD,EPAB,JPAB,USPT.	24424
CATIONIC.DWPI,TDBD,EPAB,JPAB,USPT.	118515
SURFACE-ACTIVE.DWPI,TDBD,EPAB,JPAB,USPT.	26014
SURFACE.DWPI,TDBD,EPAB,JPAB,USPT.	5371763
ACTIVE.DWPI,TDBD,EPAB,JPAB,USPT.	1099127
SURFACTANT?	0
SURFACTANTA.DWPI,TDBD,EPAB,JPAB,USPT.	9
SURFACTANTE.DWPI,TDBD,EPAB,JPAB,USPT.	3
(L5 AND (CETYL PYRIDINIUM CHLORIDE OR CETYL PYRIDINIUM CHLORIDE OR CATIONIC SURFACTANT? OR CATIONIC SURFACE-ACTIVE OR CATIONIC SURFACE ACTIVE)).USPT,JPAB,EPAB,DWPI,TDBD.	51

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DB=USPT,JPAB,EPAB,DWPI,TDBD; PLUR=NO; OP=ADJ

<u>L6</u>	l5 and (cetylpyridinium chloride or cetyl pyridinium chloride or cationic surfactant? or cationic surface-active or cationic surface active)	51	<u>L6</u>
<u>L5</u>	l4 and l1	585	<u>L5</u>
<u>L4</u>	(oil-soluble or oil soluble or water-insoluble or water insoluble)	90683	<u>L4</u>
<u>L3</u>	s l1 and (cetylpyridinium chloride or cetyl pyridinium chloride or cationic surfactant or cationic surface active)	0	<u>L3</u>
<u>L2</u>	s l1 and (oil-soluble or oil soluble or water-insoluble or water insoluble)	0	<u>L2</u>
<u>L1</u>	(glycyrrhiza or glycyrrhiza glabra or licorice or glabrin? or licocalcone? or glycyrrhizic acid or glycyrrhetinic acid or glabrene? or licochalcone a or licochalcone b or licocoumarone?)	4493	<u>L1</u>

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Term	Documents
ZINC.USPT.	175884
CETYLPYRIDINIUM.USPT.	2138
CETYL.DWPI,TDBD,EPAB,JPAB,USPT.	26785
PYRIDINIUM.USPT.	19380
((16 AND ((CETYLPYRIDINIUM.CLM.) OR (CETYL ADJ (PYRIDINIUM.CLM.)))) AND (ZINC.CLM.)).USPT,JPAB,EPAB,DWPI,TDBD.	28
(L16 AND ZINC.CLM. AND (CETYLPYRIDINIUM.CLM. OR CETYL PYRIDINIUM.CLM.)).USPT,JPAB,EPAB,DWPI,TDBD.	28

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<u>L17</u>	l16 and zinc.clm. and (cetylpyridinium.clm. or cetyl pyridinium.clm.)	28	<u>L17</u>
<u>L16</u>	l15 and (zinc.clm. or cetylpyridinium.clm. or cetyl pyridinium.clm. or plaque.clm.)	210	<u>L16</u>
<u>L15</u>	l14 and (plaque or mouthwash or mouthrinse or dentifrice or toothpaste)	437	<u>L15</u>
<u>L14</u>	zinc and (cetylpyridinium or cetyl pyridinium)	1558	<u>L14</u>
<u>L13</u>	l11 and (plaque or mouthwash or mouthrinse or toothpaste or dentifrice)	5	<u>L13</u>
<u>L12</u>	l11 and l1	2	<u>L12</u>
<u>L11</u>	inulin and (cetylpyridinium or cetyl pyridinium)	55	<u>L11</u>
<u>L10</u>	l8 and (cetylpyridinium or cetyl pyridinium or cationic surfactant? or cationic surface-active or cationic surface active)	6	<u>L10</u>
<u>L9</u>	l8 and l6	0	<u>L9</u>
<u>L8</u>	l7 and l1	83	<u>L8</u>
<u>L7</u>	(inulin or oligosaccharide?)	10934	<u>L7</u>
<u>L6</u>	l5 and (cetylpyridinium chloride or cetyl pyridinium chloride or cationic surfactant? or cationic surface-active or cationic surface active)	51	<u>L6</u>
<u>L5</u>	l4 and l1	585	<u>L5</u>
<u>L4</u>	(oil-soluble or oil soluble or water-insoluble or water insoluble)	90683	<u>L4</u>
<u>L3</u>	s l1 and (cetylpyridinium chloride or cetyl pyridinium chloride or cationic surfactant or cationic surface active)	0	<u>L3</u>
<u>L2</u>	s l1 and (oil-soluble or oil soluble or water-insoluble or water insoluble)	0	<u>L2</u>
<u>L1</u>	(glycyrrhiza or glycyrrhiza glabra or licorice or glabrin? or licocalcone? or glycyrrhizic acid or glycyrrhetinic acid or glabrene? or licochalcone a or licochalcone b or licocoumarone?)	4493	<u>L1</u>

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Term	Documents
S.DWPI,TDBD,EPAB,JPAB,USPT.	5344167
CETYLPYRIDINIUM.DWPI,TDBD,EPAB,JPAB,USPT.	2469
CHLORIDE.DWPI,TDBD,EPAB,JPAB,USPT.	652716
CETYL.DWPI,TDBD,EPAB,JPAB,USPT.	26785
PYRIDINIUM.DWPI,TDBD,EPAB,JPAB,USPT.	24424
CATIONIC.DWPI,TDBD,EPAB,JPAB,USPT.	118515
SURFACTANT.DWPI,TDBD,EPAB,JPAB,USPT.	192167
SURFACE.DWPI,TDBD,EPAB,JPAB,USPT.	5371763
ACTIVE.DWPI,TDBD,EPAB,JPAB,USPT.	1099127
((S ADJ 1) AND (((CETYLPYRIDINIUM ADJ CHLORIDE) OR (CETYL ADJ PYRIDINIUM ADJ CHLORIDE)) OR (CATIONIC ADJ SURFACTANT)) OR (CATIONIC ADJ SURFACE ADJ ACTIVE))).USPT,JPAB,EPAB,DWPI,TDBD.	0
(S L1 AND (CETYLPYRIDINIUM CHLORIDE OR CETYL PYRIDINIUM CHLORIDE OR CATIONIC SURFACTANT OR CATIONIC SURFACE ACTIVE))).USPT,JPAB,EPAB,DWPI,TDBD.	0

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<u>L3</u>	s l1 and (cetylpyridinium chloride or cetyl pyridinium chloride or cationic surfactant or cationic surface active)	0	<u>L3</u>
<u>L2</u>	s l1 and (oil-soluble or oil soluble or water-insoluble or water insoluble)	0	<u>L2</u>
<u>L1</u>	(glycyrrhiza or glycyrrhiza glabra or licorice or glabrin? or licocalcone? or glycyrrhizic acid or glycyrrhethinic acid or glabrene? or licochalcone a or licochalcone b or licocoumarone?)	4493	<u>L1</u>

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